



STATE OF HAWAII
DEPARTMENT OF HEALTH

P. O. BOX 3378
HONOLULU, HAWAII 96801

May 9, 1974

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DIRECTOR OF HEALTH

WILBUR S. LUMMIS JR., M.S., M.C.
DEPUTY DIRECTOR OF HEALTH

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DEPUTY DIRECTOR OF HEALTH

HENRI P. MINETTE, M.P.H., DR.P.H.
DEPUTY DIRECTOR OF HEALTH

Mr. Paul DeFalco, Jr.
Regional Administrator
U. S. Environmental Protection Agency
Region IX
100 California Street
San Francisco, California 94111

Dear Mr. DeFalco:

Transmitted for your review and consideration are documents relating to resources, planning and other requirements pursuant to Section 124.91 of the federal regulations, "State Program Elements Necessary for Participation in the National Pollutant Discharge Elimination System."

Specifically, the following documents are enclosed:

1. Manpower to Implement NPDES.
2. Estimated Costs for Implementing NPDES.
3. Available Funds to Implement NPDES.
4. Organization Chart of the Environmental Protection and Health Services Division
5. NPDES Permit Processing Flowchart.
6. Lists of Categories and Sizes of all Point Sources.

Other required documents including the laws and regulations to implement NPDES and the Attorney General's statement that the State has adequate authority to implement NPDES have already been submitted to your agency.

The Memorandum of Agreement between our agencies regarding the operation of the NPDES by the State of Hawaii has been reviewed by this office and is currently being finalized.

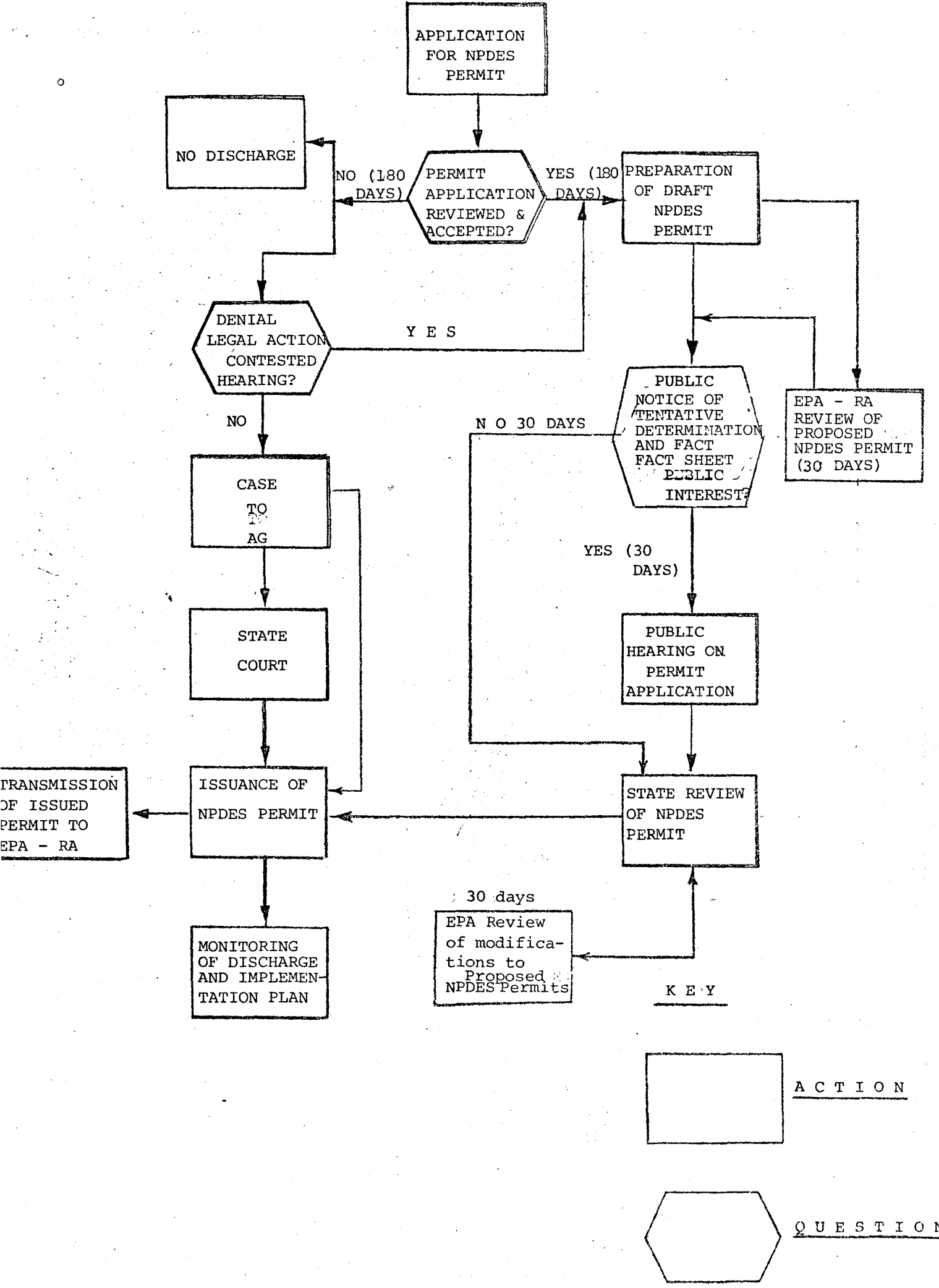
In view of the foregoing, authority to the State of Hawaii to implement the NPDES program is hereby requested. We will be available to meet with you and your staff to discuss any or all of the documents which have been submitted to your agency pursuant to our request.

Very sincerely,

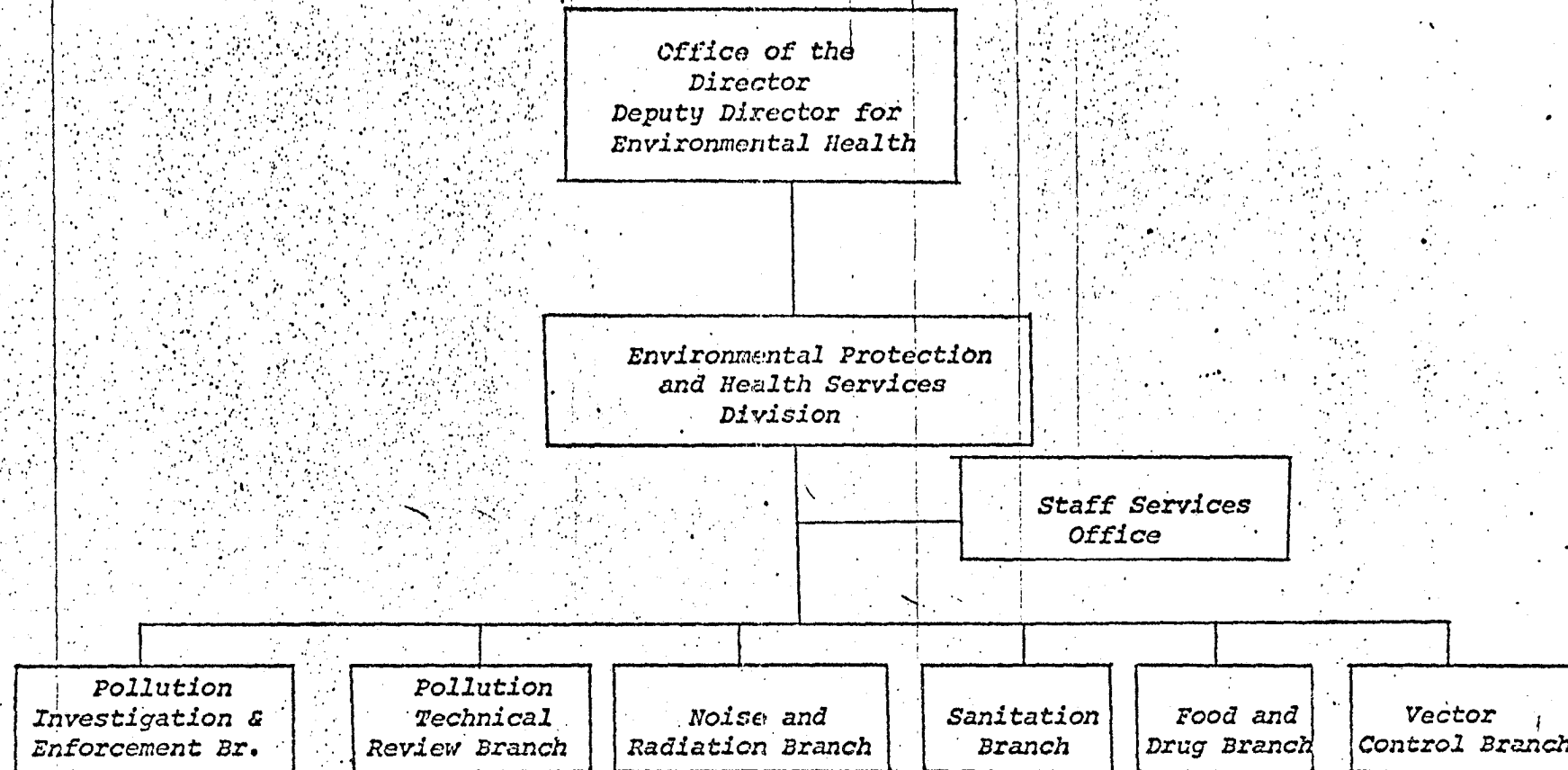
Walter B. Quisenberry
WALTER B. QUISENBERRY, M.D.
Director of Health

Enclosures

cc: EPA, Hawaii



STATE OF HAWAII
DEPARTMENT OF HEALTH
ENVIRONMENTAL HEALTH DIVISION
PROPOSED ORGANIZATION CHART



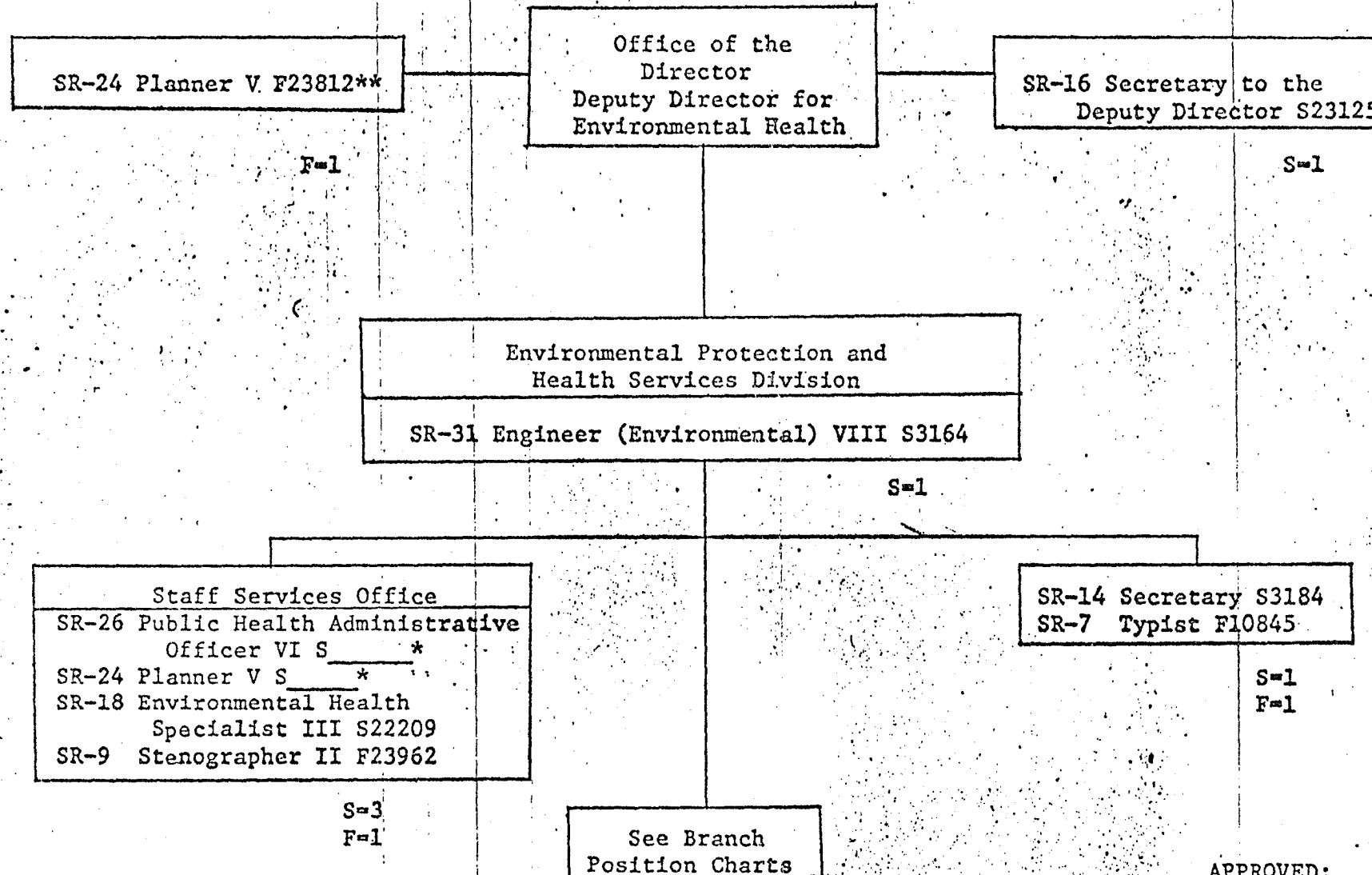
APPROVED:

George H. Ruyoshi

Acting Governor of Hawaii

Date: DEC 24 1979

STATE OF HAWAII
DEPARTMENT OF HEALTH
ENVIRONMENTAL PROTECTION AND
HEALTH SERVICES DIVISION
PROPOSED POSITION CHART



* New positions subject to classification review by Department of Personnel Services to be established in lieu of authorized but not established positions. (Laboratory Assistant, EHS IV).

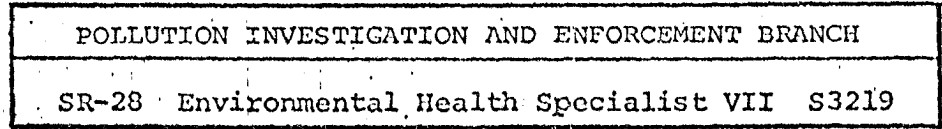
**Position proposed for classification review to Planner VI.

APPROVED:

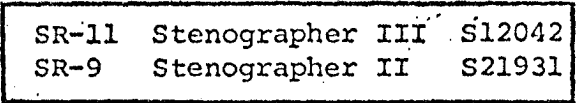
George R. Hays

Acting Governor of Hawaii

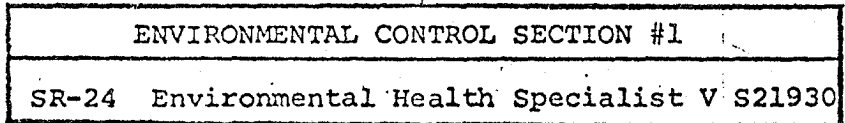
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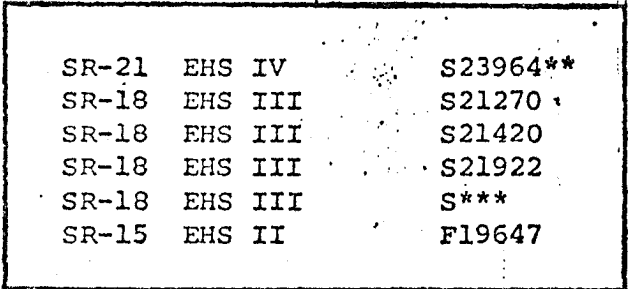
S=1



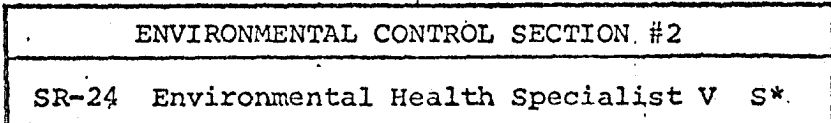
S=2



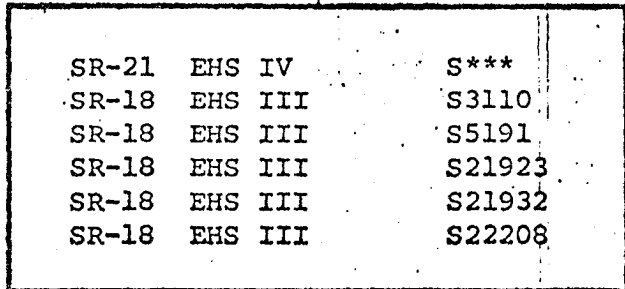
S=1



S=5
F=1



S=1



S=6

STATE OF HAWAII
DEPARTMENT OF HEALTH
ENVIRONMENTAL PROTECTION AND HEALTH
SERVICES DIVISION
POLLUTION INVESTIGATION & ENFORCEMENT BRANCH
PROPOSED POSITION CHART

Position authorized as EHS III, SR-18, to be established and proposed for classification review to EHS V.
Presently Registered Sanitarian, SR-21, Position in Sanitation Branch, Solid Waste Program, proposed for classification review to EHS IV.
Position authorized, to be established.

Total Positions Shown on This Chart
S=16
F= 1
Total=17

APPROVED:
George H. Ruyak
Acting Governor of Hawaii
DEC 24 1973

STATE OF HAWAII
DEPARTMENT OF HEALTH
ENVIRONMENTAL PROTECTION AND HEALTH
SERVICES DIVISION
POLLUTION TECHNICAL REVIEW BRANCH
PROPOSED POSITION CHART

POLLUTION TECHNICAL REVIEW BRANCH

SR-28 Engineer (Environmental) VI S03165

S=1

SR-11 Stenographer III S19285 ✓
SR- 9 Stenographer II S21935 ✓
SR- 9 Stenographer II F24018 ✓

S=2
F=1

PROJECT MANAGEMENT SECTION #1

SR-26 Engineer (Environmental) V S03212

S=1

PROJECT MANAGEMENT SECTION #2

SR-26 Engineer (Environmental) V S12395**

S=1

SR-24 Engineer (Environmental) IV F12316
SR-24 Engineer (Environmental) IV F19645
SR-21 Engineer (Environmental) III S03220
SR-21 Engineer (Environmental) III F24017 ✓
SR-21 Engineer (Environmental) III F24016 ✓
1 Engineer (Environmental) III F*

F=5
S=1

SR-24 Engineer (Environmental) IV F21344 ✓
SR-24 Engineer (Environmental) IV S21936*** ✓
SR-21 Engineer (Environmental) III F24003
SR-21 Engineer (Environmental) III S23965
SR-21 Engineer (Environmental) III F*

F=3
S=2

*Authorized to be established

*Presently Engineer (Environmental) IV, proposed for
re-classification review to Engineer V

*Presently Engineer (Environmental) III, proposed for
re-classification review to Engineer IV

Total Positions Shown on Chart

S= 8

F= 9

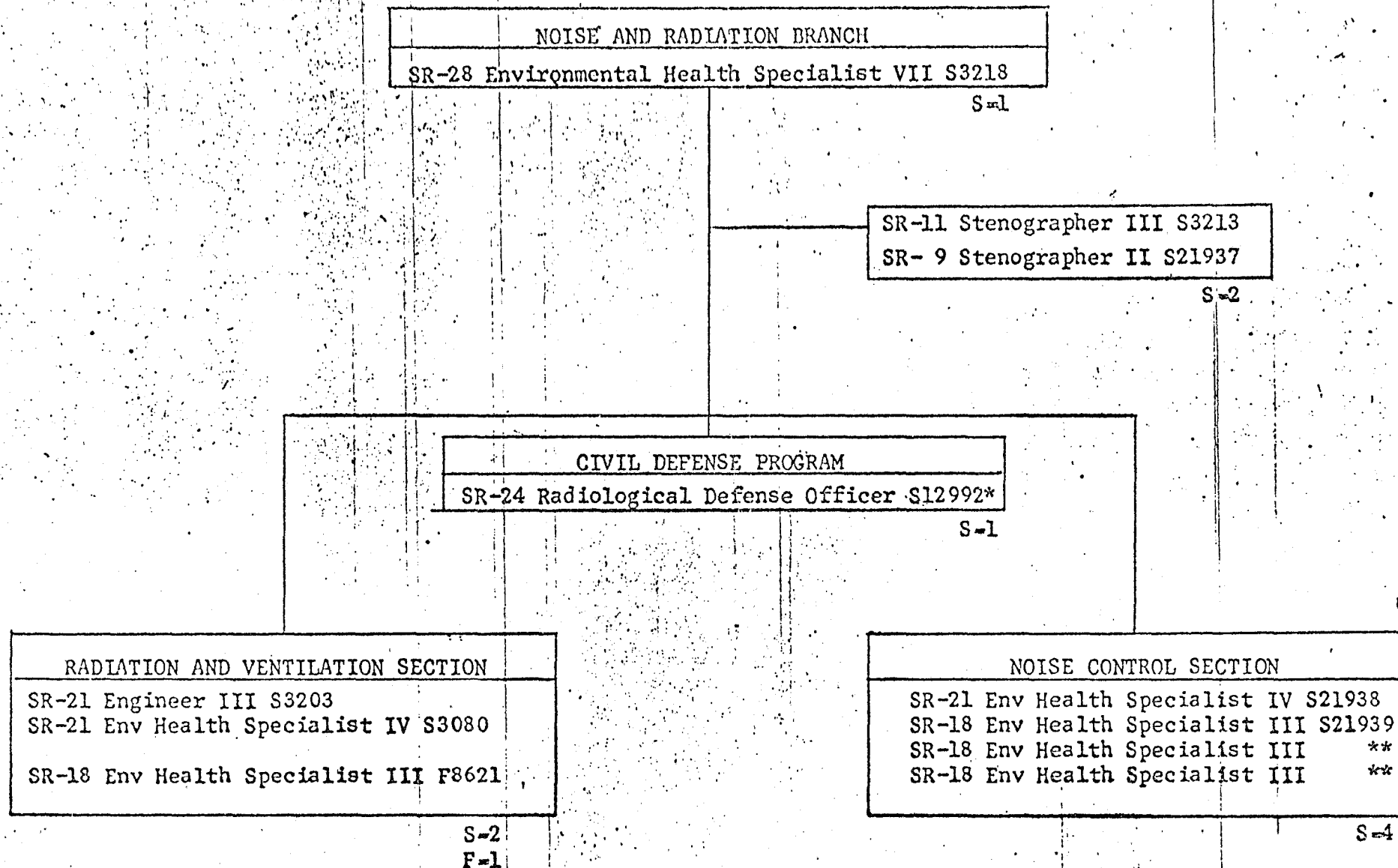
Total=17

APPROVED:

George H. Hui

Acting GOVERNOR OF HAWAII

STATE OF HAWAII
DEPARTMENT OF HEALTH
ENV. PROTECTION AND HEALTH SERVICES DIV.
NOISE AND RADIATION BRANCH
PROPOSED POSITION CHART



* Assigned full time to this Branch
from Department of Defense

** Positions authorized, to be established

Total positions shown on this chart

S-10

F-1

Total 11

APPROVED:

George H. Hui

Acting Governor of Hawaii

FUNCTIONAL STATEMENT

ENVIRONMENTAL PROTECTION AND HEALTH SERVICES DIVISION

Administers statewide programs concerned with the abatement of various categories of pollution, including programs for control of smoke, particulate matter, and noxious gases; sewage, industrial by-products, heated liquids and silt; municipal, industrial, and agricultural solid waste; noise; drinking water quality and radiation programs. Administers programs which concern the provision of community health services related to environmental health including public sanitation, vector control, air conditioning and fumigation control, food and drug testing and certification, and narcotics and dangerous drug control. Establishes broad program policies and oversees the management of the associated activities of the various branches.

FUNCTIONAL STATEMENT

ENVIRONMENTAL PLANNING, COORDINATION AND LIAISON; OFFICE OF THE DIRECTOR

Coordinates the development of environmental program strategies (water pollution control, air pollution control, solid wastes management, etc.) and makes them compatible with federal goals. Reviews federal legislation, rules and regulations, guidelines. Provides liason with federal representatives to assure compatibility. Developes contracts, agreements, grant applications, etc. needed to implement strategies and assure adequate funding from federal sources.

Maintains liason with other state agencies in the development of departmental strategies to assure compatibility with overall state goals as formulated by state offices (OEQC, EC), state agencies (DPED, LUC) and commissions (TCEP, ITCC).

Maintains coordination and liason with other federal agencies with environmental programs such as USGS, Army Corps of Engineers, U.S. Coast Guard; with other state agencies (DOA, DLNR, DOT); with the University of Hawaii environmental research programs; and with the county planning, public works and water departments.

FUNCTIONAL STATEMENT

DIVISION STAFF SERVICES OFFICE

Plans, directs and reviews planning, programming and budgeting activities coordinated with the branches, Administrative Services Office and the Department of Budget and Finance; developes state standards, implementation and management plans, and departmental rules, regulations, and policies; coordinates departmental response on proposed projects requiring an evaluation of pollution potential and mandatory control measures including environmental impact statements, DLNR conservation district use permit applications, county conditional use permit applications, and dredging permit applications; assesses departmental environmental research needs and assigns priorities; coordinates training programs and manpower development, both in-house and external; coordinates data and information system programs for the division including input, output, and storage; provides public information and education on environmental programs.

FUNCTIONAL STATEMENT

ENFORCEMENT AND INVESTIGATION BRANCH

Administers and enforces statewide air, solid waste and water pollution regulations.

- Identify sources of pollution through area surveillance, routine inspection and investigation of complaints.
- Evaluate public health significance and compliance to regulations through source monitoring, ambient sampling and special studies.
- Institute corrective measures through conferences, administrative hearings or court action.
- Coordinate motor vehicle enforcement program with County Police Departments.
- Provide technical assistance to sources to develop procedures to comply with regulations.

Conducts special studies throughout the State.

- Conduct special studies of streams and beaches for bacterial pollution to identify new sources caused by natural or man-made means.
- Conduct baseline studies of ambient air to describe air quality levels.
- Conduct studies of fish and other marine life destruction to determine cause.

Administers the smoke reading school to provide continuing certification of inspectors in the technique of evaluating visible smoke intensities through training with a smoke generator.

Coordinating activities with Technical Review Branch.

- Conduct field investigations to obtain or verify information for registration and permit systems and emission inventory.
- Assist engineers in stack sampling projects.
- Review environmental impact statements not requiring engineering expertise.

Coordinating activities with the Laboratories Branch, Medical Health Services Division.

- Provide field services such as calibrating instruments and conducting supporting field tests.

Enforcement and Investigation Branch (cont'd.)

-2-

Other technical activities.

- . Participate in the development of departmental rules and regulations.
- . Participate in PPBS activities.

FUNCTIONAL STATEMENT

NOISE AND RADIATION CONTROL BRANCH

Administers Statewide programs of community noise control, radiation control and ventilation control.

- Drafts rules and regulations to control air conditioning and ventilation, community noise and radiation. Work towards the adoption of these rules and regulations.
- Examines plans and supporting data and calculations for new and extended air-conditioning installations to assure compliance with public health regulations and approves permits. Conducts surveys of ventilation installations to measure ventilation rates for the protection of the public from abnormal and inadequate ventilation.
- Reviews plans for new and extended installations of x-ray units and radioisotopes to provide for the protection of workers, patients and the public from hazardous radioactivity.
- Conducts surveys of x-ray, electronic installations and radioisotope laboratories to determine and minimize exposures to workers, patients and the public to ionizing and non-ionizing radiations.
- Implements departmental regulations on vehicular and other noise control areas by conducting surveys of noise from vehicular and other sources and work towards corrections to reduce noise.
- Controls the use and storage of radioisotopes in laboratories.
- Operates on schedule, a radiological fallout surveillance station to collect data concerning radioactive fallout.
- Investigates complaints of improper and inadequate ventilation, noise and radiation and secures compliance.
- Implement the rules and regulations which have been promulgated by enforcement measures and education.
- Educates the general public regarding excessive noise and its control.
- Provides consultative services to industry on procedures for the control of noise.

FUNCTIONAL STATEMENT

TECHNICAL REVIEW BRANCH

Administers and coordinates the statewide engineering and technical functions relating to the environmental programs of the Department (except noise pollution).

Regulates and Controls Discharge Sources and Solid Waste

- Reviews applications and engineering plans for permit from new, old or modified sources of pollution and holds public hearings as needed before issuance or denial.
- Issues permits to construct, operate or modify facilities as needed.
- Evaluates air compliance schedule applications and develops compliance schedule orders for enforcement purposes.
- Prepares emission reduction plans through studies and conferences.
- Compiles, analyzes and summarizes ambient air quality data to detect trends and serves as data base for control strategy consideration.
- Evaluates environmental pollution potential for proposed projects in environmental impact statements requiring engineering expertise comments on Department of Land and Natural Resources conservation district use application, and reviews Department of Transportation dredging permit applications.
- Provides technical assistance to developers and new industries on environmental engineering and pollution control.
- Reviews all land development plans that require private sewage treatment plants.
- Processes variance requests and participates in public hearings.
- Continues to prepare for takeover of NPDES from EPA.

Administers Construction Grants for Municipal Sewage Treatment Plants

- Coordinates and provides major direction to construction grants program.
- Holds pre-conceptual meetings, evaluates projects, reviews plans and specifications, certification of project, offer grants, etc.
- Coordinates jointly with EPA for all construction grant projects.

Other Technical Functions

- Conducts air pollution source surveillance by performing stack sampling.

Technical Review Branch (cont'd)

- Participates in the development and revision of departmental regulation concerning the control and abatement of air, water and solid waste pollution and assists the environmental planning office in helping the county governments in developing solid waste management plans.
- Reviews drinking water quality data for potability from standpoint of U.S.P.H.S. Drinking Water Standards.
- Provides engineering assistance to all outer islands that do not have environmental engineering expertise on staff.

AVAILABLE FUNDS TO IMPLEMENT NPDES

<u>ITEM</u>	<u>STATE FUNDS</u>	<u>*FEDERAL FUNDS</u>	<u>TOTAL</u>
Personnel Salaries	284,480	102,200	386,680
Equipment	---	20,000	20,000
Travel	3,766	11,234	15,000
Supplies	32,334	5,266	37,600
Publications	<u>1,500</u>	<u>3,500</u>	<u>5,000</u>
	<u>322,080</u>	<u>142,200</u>	<u>464,280</u>

*Anticipated State pollution control program grant pursuant to
Section 106 of PL 92-500.

NOTE: Available funds for each item indicated above include total funds
to implement all functions or activities of the State's water
pollution control program.

ESTIMATED COSTS FOR IMPLEMENTING NPDES

<u>ITEM</u>	<u>COST (\$/YR.)</u>
Personnel Salaries	\$ 101,955
Administrative Support	
Office Supplies	3,000
Public Participation Procedures	5,000
Technical Support	
Laboratory Supplies	500
Vehicles and Watercraft - O & M	1,500
	<u>\$ 111,955</u>

AGRICULTURAL DISCHARGES

<u>Category</u>	<u>Discharger</u>	<u>Flow MGD</u>	<u>Major or Minor</u>	<u>State Permit or ZM Issued</u>	<u>NPDES Permit Issued</u>
Sugar Cane Irrigation tailwater	Kohala Sugar	.45	Major	X	X
"	Kekaha Sugar	.130	"	X	X
"	Gay & Robinson	Emergency discharge	Minor	X	
"	Lihue Plantation	"	"	X	X
"	McBryde Sugar Co.	"	"	X	X
"	Olokele Sugar Co.	"	"	X	X
"	Pioneer Mill	1.3	"	X	X
Dairy waste pond emergency overflow	Foremost Farms, Waimanalo	Emergency discharge	"	X	
"	Dairy Co.	"	"		
"	Freitas Dairy	"	"		
"	Ulehawa Farm	"	"		

INDUSTRIAL DISCHARGES

<u>Category</u>	<u>Discharger</u>	<u>Flow MGD</u>	<u>Major or Minor</u>	<u>State Permit or ZM Issued</u>	<u>NPDES Permit Issued</u>
Manure Wastewater	Young Brothers	.007	Minor	X	X
Refinery Process Wastewater	Standard Oil-Barbers Pt.	.45	Major	X	X
Thermal	Haw. Elec. Co. (Honolulu)	235	"	X	
"	Haw. Elec. Co. (Waiau)	558	"	X	
"	Haw. Elec. Co. (Kahe)	235	"	X	
"	Kekaha Sugar	2	"	X	X
"	Pioneer Mill	.11	"	X	X
"	Kohala Sugar	12	"	X	X
"	Waialua Sugar	14	"	X	X
"	Kauai Electric	10	"	X	
"	Hilo Electric	28	"	X	
"	Maui Electric	39	"	X	
"	Aiea C&H Refinery	2.2	"	X	
"	Honolulu Gas	.5	"	X	X
"	Del Monte Cannery	.58	"	X	
"	Dole Cannery	6	"	X	X
"	Gaspro, Inc.	.016	Minor		X
"	Hawaiian Tuna Packers	.0005	"		X
"	Shell Oil, Honolulu	.001	"		X
"	Hilo Electric (Pueo)	5.0	Major		
"	Yacht Harbor Towers	1.5	"		
"	Kaiser Cement & Gypsum	.022	Minor		X
"	Waiakea Resort Hotel	.40	"		
Sugar Cane Process- ing Wastewater	Wailuku Sugar	3	Major	X	X
"	Honokaa Sugar	12	"	X	X

Industrial Discharges

-2-

<u>Category</u>	<u>Discharger</u>	<u>Flow MGD</u>	<u>Major or Minor</u>	<u>State Permit or ZM Issued</u>	<u>NPDES Permit Issued</u>
Sugar Cane Process- ing Wastewater	Kohala Sugar	7	Major	X	X
"	Kau Sugar	6	"	X	
"	Laupahoehoe Sugar	4	"	X	X
"	Pioneer Mill	5.3	"	X	X
"	Hawn Fruit Packers	.5	"	X	Discharge Eliminated
"	Hilo Coast Processing (Papaikou Mill)	29.0	"	X	X
"	Hilo Coast Processing (Wainaku Mill)	25.475	"	X	X
"	Hilo Coast Processing (Pepeekeo Mill)	9.5	"	X	X
"	Hilo Coast Processing (Hakalau Mill)	9.015	"	X	X
Petroleum	Standard Oil, Kaunakakai	-	Minor		Discharge Eliminated
"	Standard Oil, Port Allen	-	"		" "
"	Standard Oil, Kaumalapau	-	"		" "
"	Standard Oil, Kawaihae	-	"		" "
"	Standard Oil, Honolulu MN	-	"		" "
"	Standard Oil, Honolulu Bulk	-	"		" "
"	Standard Oil, Kapalama	-	"		" "
"	Phillips, Honolulu	-	"		X
"	Texaco, Barbers Point	-	"		
"	Hawaiian Tug & Barge	.00017	"		X
Washdown	Honiron Div., Ward Foods	.01	"		Discharge Eliminated
"	GMI Div., Ward Foods	-	"		Discharge Eliminated
"	Hawaiian Electric, Ward St.	-	"		
"	Foremost Dairies	.0005	"		Discharge Eliminated

Industrial Discharges

-3-

<u>Category</u>	<u>Discharger</u>	<u>Flow MGD</u>	<u>Major or Minor</u>	<u>State Permit or ZM Issued</u>	<u>NPDES Permit Issued</u>
Washdown	Carnation Co., Honolulu	.001	Minor		X
Concrete Batching	Pacific Concrete	.01	"		Discharge Eliminated
"	"	Lone Star Ind.	.020	"	X
"	"	HC&D	.15	"	X
Fisheries	US Nat'l Marine Fisheries Service, Honolulu	-	"		X
"	UH Marine Lab, Kewalo	.3	Major		X
"	Hawaii Div. of Fish & Game, Sand Island	1.52	"		X

MANPOWER TO IMPLEMENT NPDES

<u>POSITION</u>	<u>POSITION NO.</u>	<u>FUNCTION</u>	<u>TIME</u>	<u>ACTUAL SALARY COST (\$/YR.)</u>
Engineer (Environmental) III	24016	Draft Permits	100%	10,956
Engineer (Environmental) III	24017	Draft Permits	100%	10,956
Engineer (Environmental) IV	21344	Coordinate Permit Processing	50%	8,088
Engineer (Environmental) IV	21936	Coordinate Permit Processing	50%	8,088
Environmental Health Specialist III	5191	Monitoring and Surveillance	33%	3,620
Environmental Health Specialist III	21922	Monitoring and Surveillance	33%	3,130
Environmental Health Specialist III	21923	Monitoring and Surveillance	33%	3,450
Environmental Health Specialist III	22208	Monitoring and Surveillance	33%	4,000
Environmental Health Specialist II	19647	Monitoring and Surveillance	33%	3,620
Environmental Health Specialist IV	21925	Monitoring and Surveillance	33%	3,210
Environmental Health Specialist IV	21926	Monitoring and Surveillance	33%	4,000
Environmental Health Specialist IV	21927	Monitoring and Surveillance	33%	3,620
Environmental Health Specialist IV	21928	Monitoring and Surveillance	33%	4,000
Chemist IV	19648	Laboratory Support	20%	2,414
Chemist III	19649	Laboratory Support	20%	1,894
Chemist III	21943	Laboratory Support	20%	2,299
Chemist III	21944	Laboratory Support	20%	1,987
Chemist III	21945	Laboratory Support	20%	1,987
Microbiologist IV	19646	Laboratory Support	20%	2,534
Microbiologist III	19942	Laboratory Support	20%	2,086
Microbiologist II	21940	Laboratory Support	20%	1,987
Microbiologist II	21941	Laboratory Support	20%	2,191
Stenographer III	19285	Clerical Support	25%	2,367
Stenographer II	21935	Clerical Support	25%	1,683
Stenographer II	24018	Clerical Support	100%	<u>7,788</u>

101,955

5/10/74